

Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

ITEM #1

Required under USDL Safety and Health Regulations for Ship Reaping,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)**SECTION I**

| | | |
|--|---------------------------|---|
| MANUFACTURER'S NAME DARCO SOUTHERN, INC. | | EMERGENCY TELEPHONE NO. 703-773-2711 |
| ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 253 Darco Drive, P.O. Box 454, Independence, Va. 24348 | | |
| CHEMICAL NAME AND SYNONYMS Fiber Glass (fibrous glass) | | TRADE NAME AND SYNONYMS TETRAGLAS |
| CHEMICAL FAMILY FiberGlass - Type E (Electrical Grade) | FORMULA SEE SECTION II | |

SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|---|---|----------------|---|---|----------------|
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS | | | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | | | | % | TLV (Units) |
| None in sufficient quantities | | | | | |
| "E" glass composition consists of oxides of (principally) silicon (silica), calcium, aluminum and boron. Commercial fiberglass consists of "E" glass plus fiber surface organic binders comprising 2% or less of the total weight. | | | | | |

SECTION III - PHYSICAL DATA

| | | | |
|-------------------------|---|---------------------------------------|-------------|
| BOILING POINT (°F) | None | SPECIFIC GRAVITY (H ₂ O=1) | 2.55 ave. |
| VAPOR PRESSURE (mm Hg.) | None | PERCENT VOLATILE BY VOLUME (%) | None |
| VAPOR DENSITY (AIR=1) | None | EVAPORATION RATE (_____ x1) | None N/A |
| SOLUBILITY IN WATER | Insoluble | Melting Point | 2050-2160°F |
| APPEARANCE AND ODOR | White color woven fabric, which is odorless | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|--|-------------------------|-----|-----|
| FLASH POINT (METHOD USED) Non-burning (softening point =838 C) | FLAMMABLE LIMITS N/A | Lei | Uei |
| EXTINGUISHING MEDIA N/A | | | |
| SPECIAL FIRE FIGHTING PROCEDURES N/A | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS None | | | |

| SECTION V - HEALTH HAZARD DATA | |
|--|--|
| THRESHOLD LIMIT VALUE For free glass fiber: 10mg/M ³ of air for fibers less than 7 microns | |
| EFFECTS OF OVEREXPOSURE Temporary mechanical irritation of the skin for those who may have sensitivity to the fiber | |
| EMERGENCY AND FIRST AID PROCEDURES Wash with mild soap and room temp. to cool water. If fibers should get in the eyes, irritate with clear water | |

| SECTION VI - REACTIVITY DATA | | | |
|--|----------------|----|-----------------------------------|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID None Known |
| | STABLE | XX | |
| INCOMPATIBILITY (MATERIALS TO AVOID) In a sustained fire the organic binders will decompose releasing minute quantities of decomposition products believed insufficient to be harmful. | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS | | | |
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | WILL NOT OCCUR | XX | |

| SECTION VII - SPILL OR LEAK PROCEDURES | |
|---|--|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED N/A | |
| WASTE DISPOSAL METHOD Sweep up and dispose of as in the case of any innocuous solid material | |

| SECTION VIII - SPECIAL PROTECTION INFORMATION | | | |
|--|------------------------------|--|--|
| RESPIRATORY PROTECTION (SPECIFY TYPE) No special action unless sensitive to product | | | |
| VENTILATION | LOCAL EXHAUST None | SPECIAL None | |
| | MECHANICAL (GENERAL) None | OTHER None | |
| PROTECTIVE GLOVES Not required unless sensitive to fiber | | EYE PROTECTION May be worn if desirable | |
| OTHER PROTECTIVE EQUIPMENT Normal washup after handling is recommended | | | |

| SECTION IX - SPECIAL PRECAUTIONS | |
|---|--|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Any person exhibiting sensitivity to glass fibers should avoid excessive contact with skin | |
| OTHER PRECAUTIONS Wash work clothes separately and rinse out washer | |

NOTE: The information furnished herein is accurate to the best of our knowledge, but no warranty, expressed or implied is made.

Prepared by:

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